

## anti- AMACR/p504S antibody

### Product Information

Catalog No.:	FNab00355
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

AMACR(Alpha-methylacyl-CoA racemase) belongs to the CaiB/BaiF CoA-transferase family. It is a mitochondrial and peroxisomal enzyme that catalyzes the conversion of 2R stereoisomers of phytanic and pristanic acid to their S counterparts. AMACR has previously been shown to be a highly sensitive marker for colorectal and clinically localized prostate cancer(PCa). However, AMACR expression is down-regulated at the transcript and protein level in hormone-refractory metastatic PCa, suggesting a hormone-dependent expression of AMACR(PMID:12213712). It has 3 isoforms produced by alternative splicing and it can form a dimer of 70-75 kDa(PMID:21812041). Defects in AMACR are the cause of alpha-methylacyl-CoA racemase deficiency(AMACRD) and congenital bile acid synthesis defect type 4(CBAS4).

### Immunogen information

Immunogen:	alpha-methylacyl-CoA racemase
Synonyms:	2 methylacyl CoA racemase, alpha methylacyl CoA racemase, AMACR, CBAS4, p504S, RACE
Observed MW:	42 kDa
Uniprot ID :	Q9UHK6

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[www.fn-test.com](http://www.fn-test.com)

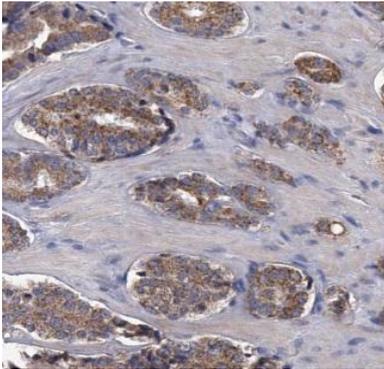
## Application

Reactivity: Human, RAT

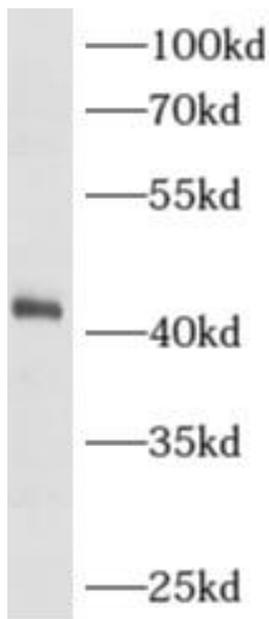
Tested Application: ELISA, IHC, WB

Recommended dilution: WB: 1:500-1:5000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab00355(p50S,AMACR antibody) at dilution of 1:50



Recombinant AMACR protein were subjected to SDS PAGE followed by western blot with FNab00355(AMACR Antibody) at dilution of 1:1000

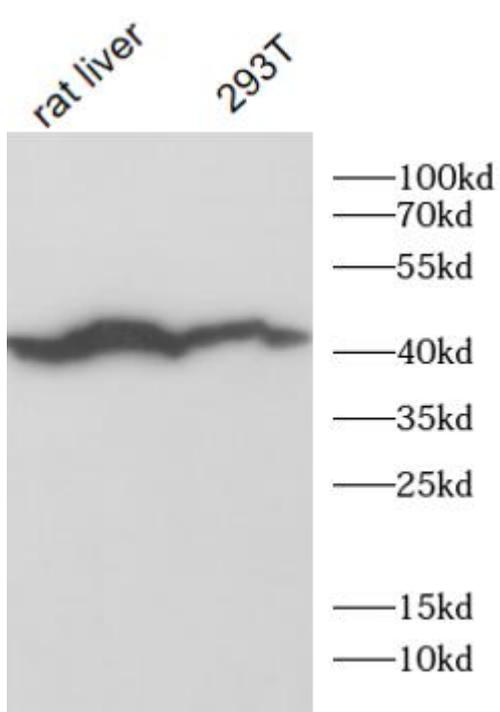
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Various lysates were subjected to SDS PAGE followed by western blot with FNab00355(AMACR Antibody) at dilution of 1:1000

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